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NOTES:

1. UNLESS NOTED OTHERWISE ALL NEW SHIELDED WIRE TO MEET MIL-C-27500E OR LATER REVISION. ALL UNSHIELDED WIRE TO BE MIL-W-22759/16. CLAMP WIRE BUNDLES PER AC43.13-1B, CHAPTER 11, SECTION 11. FOR ROUTING, BONDING, AND GROUNDING DETAILS REFERENCE AC43.13-1B CHAPTER 11 SECTIONS 9, 10, & 15.
2. GROUND NOTES:  DC GND  AC GND  SIGNAL GND  AIRFRAME & SHIELD GND
3. SOLDER PER MIL-STD-2000.
4. USE MIL-S-81824 SOLDER SPLICES.
5. USE MIL-S-83519/1 SOLDER SLEEVES.
6. USE F/N 6 SHRINK TUBING FOR ALL EXTERIOR WIRING
7. EXISTING COMPONENTS ARE SHOWN AS — — —
8. USE ANY EXISTING CONNECTOR UNUSED CONTACTS, IF NECESSARY.
9. ECD P/N EN2267-010A006S IS ACCEPTABLE ALTERNATIVE.
10. IDENTIFY IAW MPP-120. INSTALL P/N LABEL BENEATH F/N 16.
11. USE WHEN OEM ELECTRICAL PROVISIONS ARE PRESENT & AUTOMATIC ELECTRICAL INFLATION KIT IS DESIRED
12. USE WHEN OEM ELECTRICAL PROVISIONS ARE PRESENT & AUTOMATIC ELECTRICAL INFLATION KIT IS NOT DESIRED
13. USE OEM ELECTRICAL PROVISIONS IF PRESENT
14. OEM ELECTRICAL PROVISIONS ARE ACCEPTABLE ALTERNATES
15. COMMON GROUND TB1221/P OR TBN9500
16. NUMBERS ARE REFERENCE TO AIRBUS ELECTRICAL NVG SYSTEM DIMM TEST UNIT 9900LL
17. ALTERNATE P/N 222D121-25-0
18. ALTERNATE P/N 202A121-25-0
19. CONNECT TO ANY COMPATIBLE SPDT RELAY
20. UNLESS OTHERWISE SPECIFIED, ALL ROUTES ARE 1M
21. DISCONNECT ALL EXISTING OEM WIRES CONNECTED TO 5103GLA BEFORE INSTALLATION OF DART FLOAT INSTALLATION, EXCEPT WIRE CONNECTED TO X2
22. MODULE INSTALLED ON MODULE RAIL NEXT TO OVERHEAD PANEL RH
23. MODULE INSTALLED ON MODULE RAIL NEXT TO OVERHEAD PANEL LH
24. IF CONTACT IS ALREADY USED, USE CONTACT WITH SAME POTENTIAL

NTO-2020-21-V

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
N/C	INITIAL RELEASE	06/16/2016	P. BRAVO
A	INCORPORATED ECN 05599	10/24/2016	P. BRAVO
B	INCORPORATED ECN 05612	11/23/2016	P. BRAVO
C	INCORPORATED ECN 05672 & 05846	08/22/2017	P. BRAVO
D	INCORPORATED ECN 05905	02/21/2018	P. BRAVO
E	INCORPORATED ECN 05964	04/26/2018	P. BRAVO
F	INCORPORATED ECN 05976	06/06/2018	P. BRAVO
G	INCORPORATED ECN 06100	10/09/2018	P. BRAVO
H	INCORPORATED ECN 06109	10/31/2018	P. BRAVO
J	INCORPORATED ECN 06142	12/27/2018	P. BRAVO

		1		29	601.4329	RELAY	M500-D4N	
		2	2	2	28	601.4323	MODULE	175530102
		2	2	2	27	601.4324	DIODE	F1200G
		2	2	2	26	601.4325	CONTACT	EN3155-016M1616
		2	2	2	25	601.4245	DIODE	001119 702 02
	1			24	601.4141	SHRINK BOOT	222K142-25-0	
			REF	REF	23	M39029/56/36-352	SOCKET	
			REF	REF	22	D436-84	SPLICE	
			REF	REF	21	D436-83	SPLICE	
1FT	1FT			20	601.3494	AMBERSTRAND	103-026-008	
1				19	601.3486	SHRINK BOOT	222S121-25S-0	
1	1			18	601.3495	SHRINK BOOT	202S121-25S-0	
		1	1	1	17	601.4048	ARMING SWITCH ADAPTER	18-269
.2FT	.2FT			16	601.1429	SHRINK TUBING	MIL-DTL-23053/5-208-C	
1.5FT	1.5FT			15	601.2714	SHRINK TUBING	MIL-DTL-23053/2-107-0	
.42FT	.42FT			14	601.2713	SHRINK TUBING	ATUM-16/4-0-SP	
		1		13	601.4012	CONNECTOR	MS3110E8-4S	
		1		12	601.4011	CONNECTOR	D38999/26KD97PN	
A/R	A/R	A/R		11	601.2045	RTV		LOCTITE 598
1				10	601.4019	CONNECTOR	MS3116E8-4P	
1	1			9	601.3399	CONNECTOR	MS3116E8-4S	
		7	7	7	8	601.2425	CONNECTOR SOCKET CONTACT	MIL-C-29029/22-192
4FT	4FT	100FT	40FT	60FT	7	601.1298	WIRE	MIL-W-22759/16-20-9 
		6FT	6FT	6FT	6	601.1512	SHRINK TUBING	MS23053/5-105-0
		6	6	6	5	601.2184	ENVIRONMENTAL SPLICE	M81824/1-1 ALT: D-436-82
		1	1	1	4	601.2151	ARMING SWITCH GUARD	17-193
		1	1	1	3	601.2133	ARMING SWITCH	LED-7A-14-KB-34450
		2	2	2	2	601.1207	CIRCUIT BREAKER	EN2495-5AM
		1		1	1	634.6802	135-145 SWITCH ASSY	MS3320-71/2
X						651.4105	EC145 T2 WIRING HARNESS	
	X					651.4104	EC145 T2 WIRING HARNESS	
		X				651.4103	EC145 T2 AUTOMATIC FLOAT SYSTEM KIT	
			X			651.4102	EC145 T2 AUTOMATIC FLOAT SYSTEM KIT	
				X		651.4101	EC145 T2 AUTOMATIC FLOAT SYSTEM KIT	

QTY REQ'D				PARTS LIST			
NEXT ASSY (S)				ORIGINAL DATE (YR-MO-DA) 06-16-16			
651.3400				DRAWN BY D. MEJIA P. BRAVO			
				DRAWING APPROVAL P. BRAVO 06-16-16			
				CONTRACT No.			
				UNLESS OTHERWISE SPECIFIED			
				DIMENSIONS ARE IN INCHES			
				TOLERANCES ARE			
				2 PLACE DECIMALS ± .03			
				3 PLACE DECIMALS ± .010			
				ANGLES ± .5°			
				SIZE GAGE CODE DWG. No.			
				B 07MZ6 651.4100			
				SCALE: NONE			
				SHEET 1 of 7			

**DART AEROSPACE**

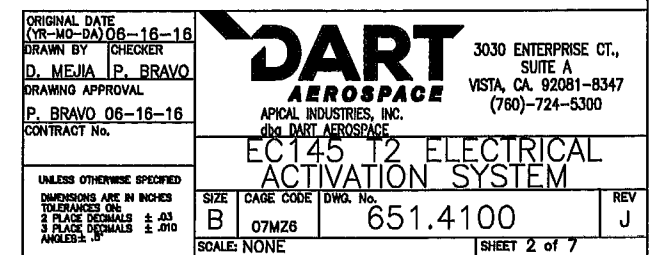
3030 ENTERPRISE CT., SUITE A  
VISTA, CA 92081-8347  
(760)-724-5300

APICAL INDUSTRIES, INC.  
dba DART AEROSPACE

**EC145 T2 ELECTRICAL ACTIVATION SYSTEM**

REV J

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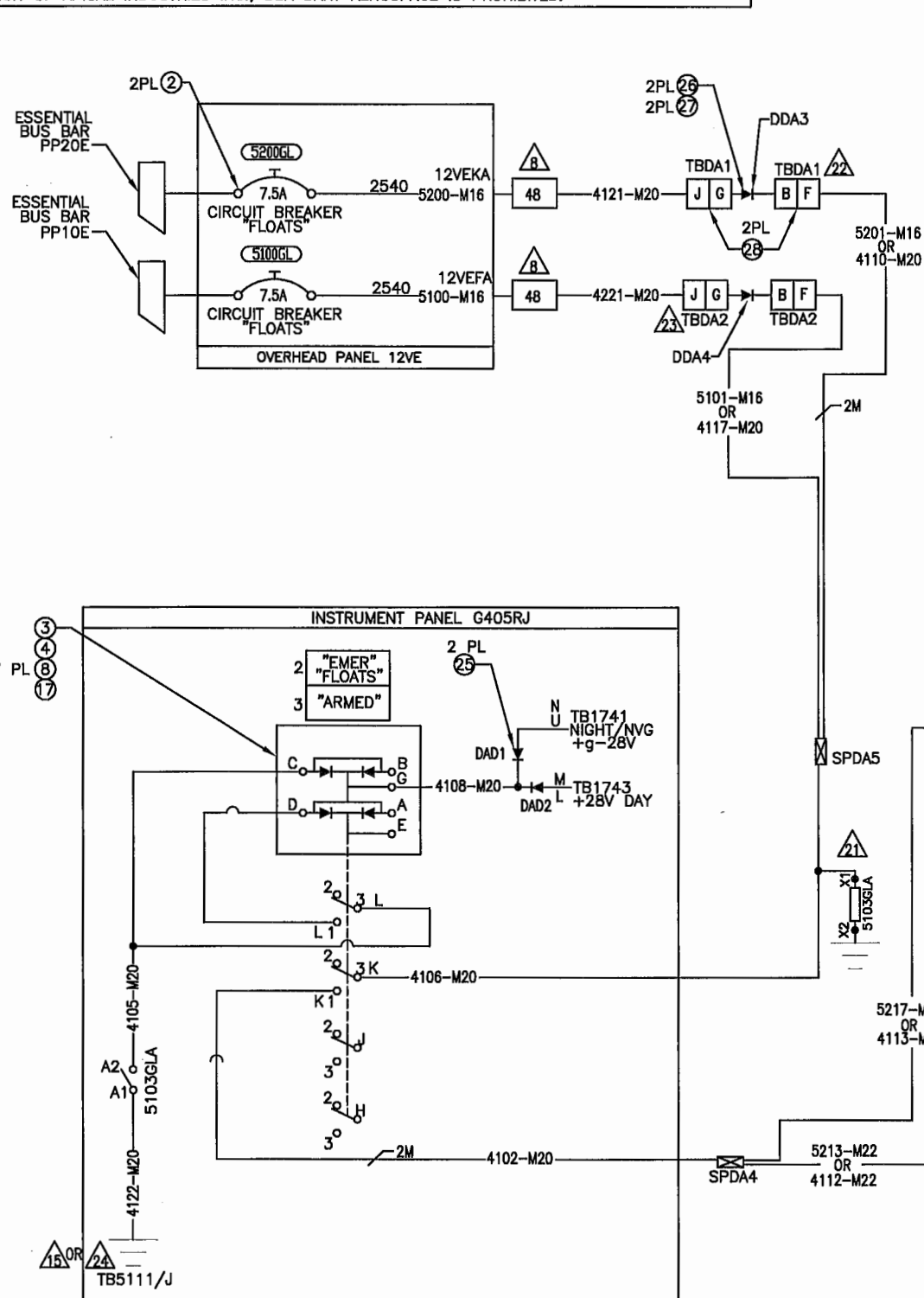
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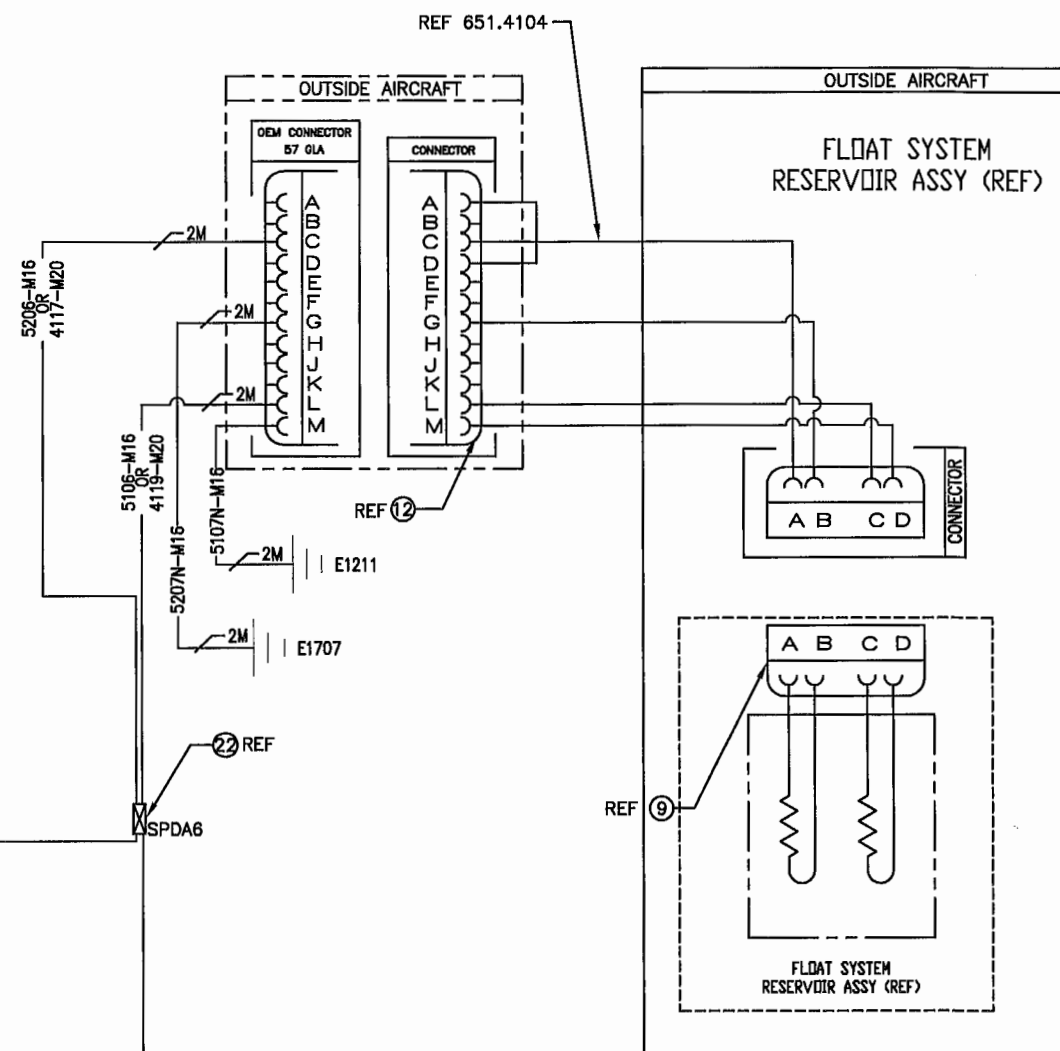
B

C

D



651.4102 ASSEMBLY  
NO FLOAT SWITCH, COMPATIBLE WITH  
OEM FIXED PROVISIONS



ORIGINAL DATE (YR-MO-DA) 06-16-16		DRAWN BY D. MEJIA		CHECKED BY P. BRAVO		DRAWING APPROVAL P. BRAVO 06-16-16		CONTRACT No.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 3 PLACE DECIMALS ± .03 2 PLACE DECIMALS ± .010 ANGLES ± .5°	
DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300		APICAL INDUSTRIES, INC. dba DART AEROSPACE		EC145 T2 ELECTRICAL ACTIVATION SYSTEM		SIZE B		CAGE CODE 07M26	
SCALE: NONE		DWG. No. 651.4100		REV J		SHEET 3 of 7					



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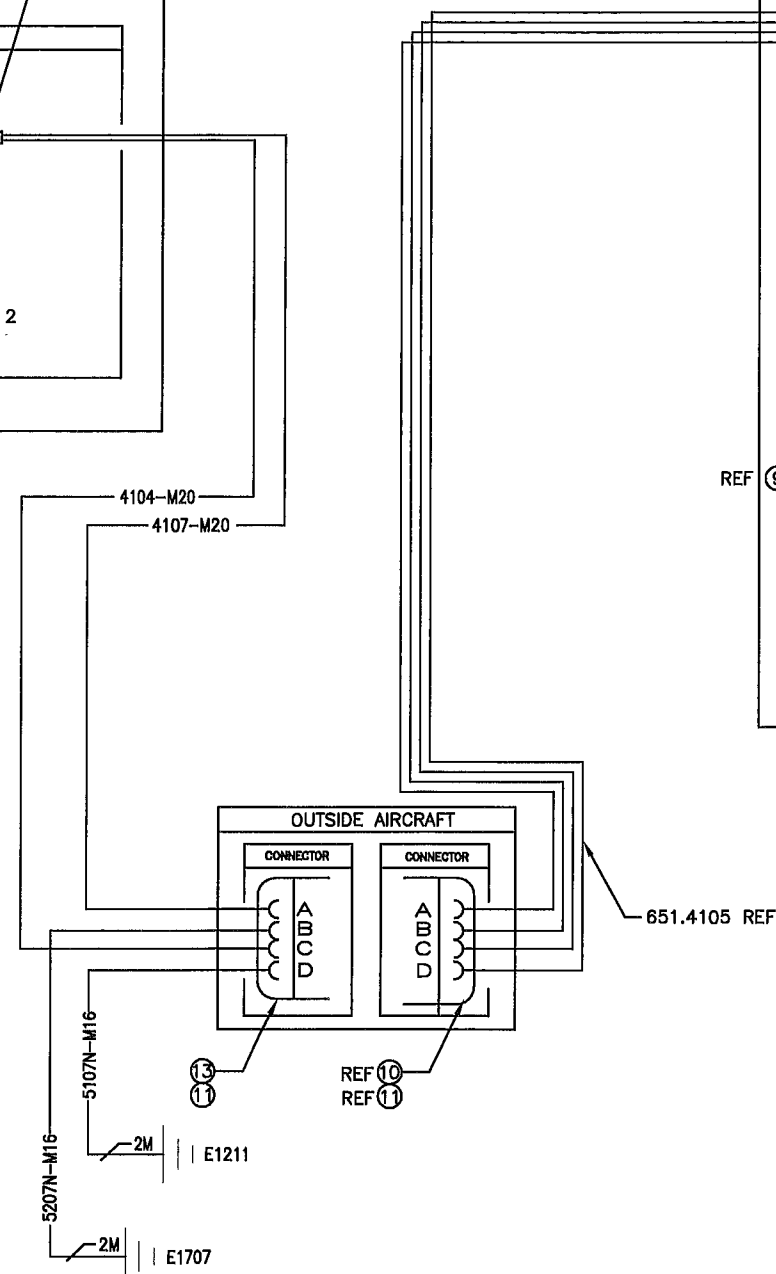
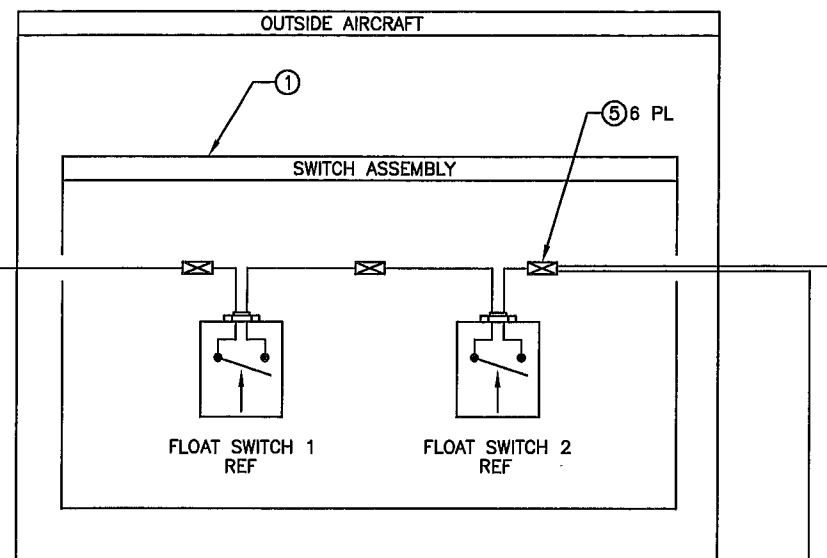
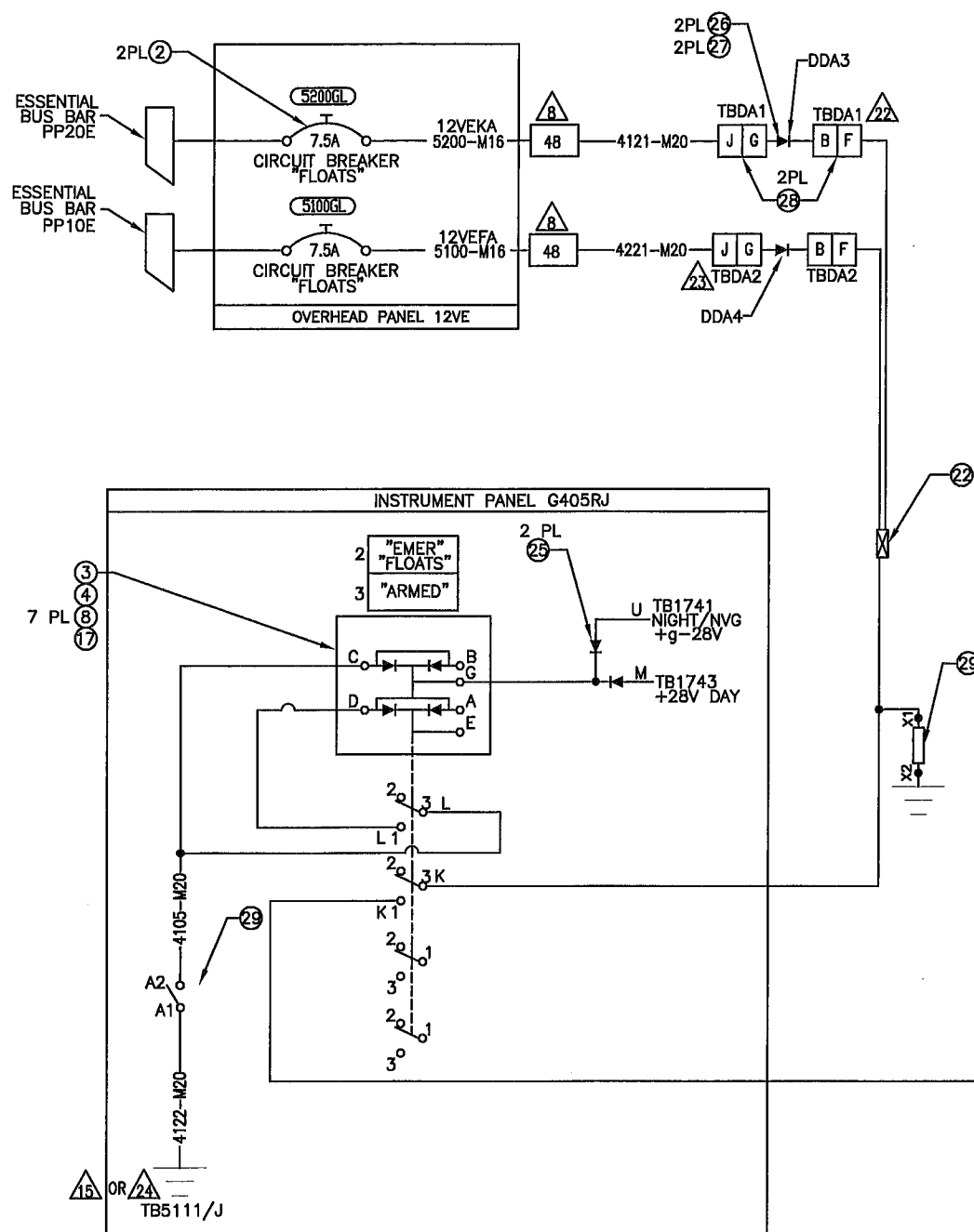
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A

B

C

D



651.4103 ASSEMBLY  
FLOAT SWITCH ELECTRICAL  
ACTIVATION, NO OEM PROVISIONS

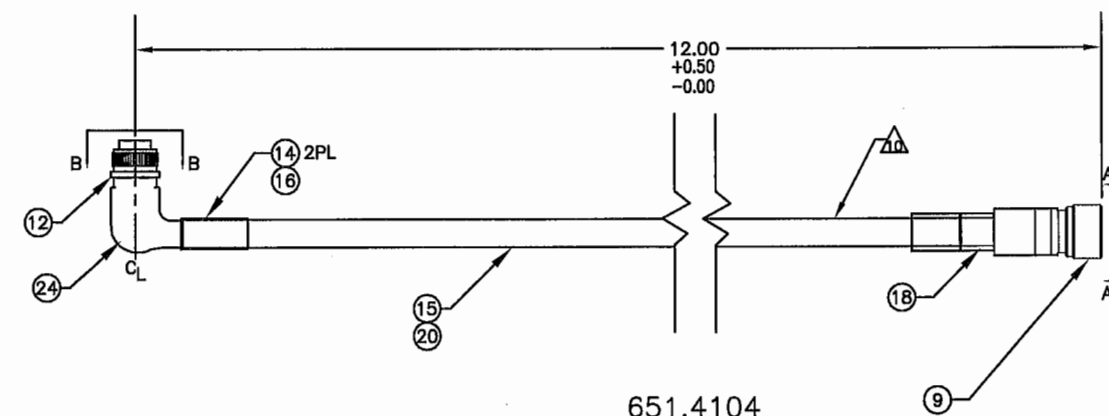
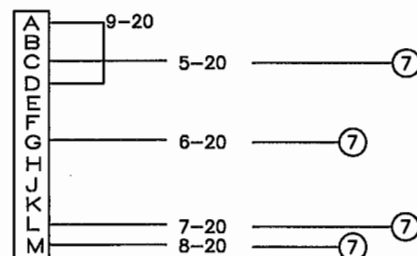
ORIGINAL DATE (YR-MO-DA) 08-16-16		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300	
DRAWN BY: D. MEJIA		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CHECKED BY: P. BRAVO		EC145 T2 ELECTRICAL ACTIVATION SYSTEM	
DRAWING APPROVAL		SIZE: B	
P. BRAVO 08-16-16		CAGE CODE: 07M26	
CONTRACT No.		DWG. No.: 651.4100	
UNLESS OTHERWISE SPECIFIED		REV: J	
DIMENSIONS ARE IN INCHES		SCALE: NONE	
TOLERANCES ON:		SHEET 4 of 7	
2 PLACE DECIMALS ± .03			
3 PLACE DECIMALS ± .010			
ANGLES ± .5°			

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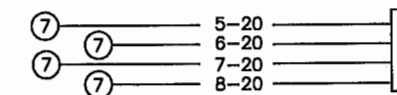
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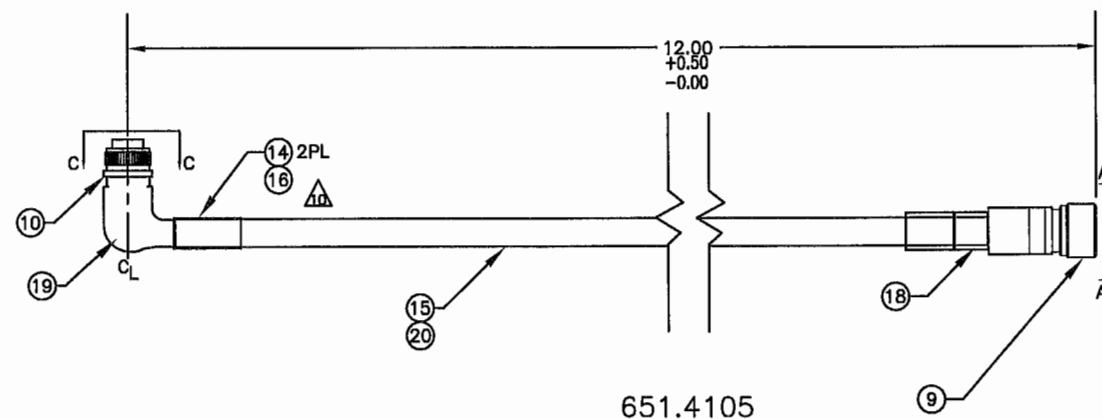
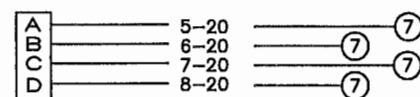
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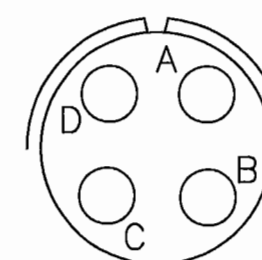
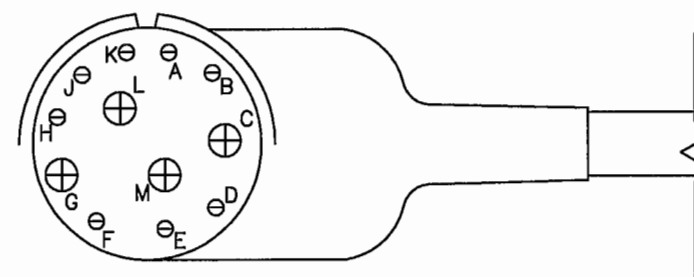
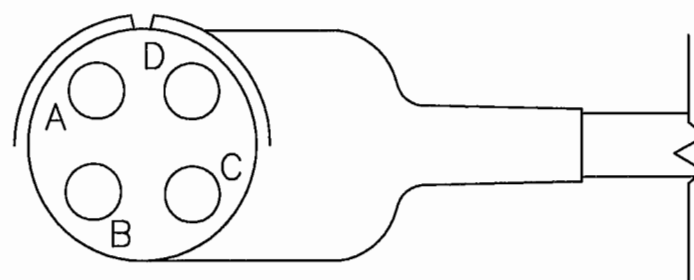
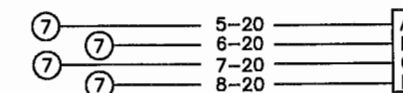
601.3399



601.4019



601.3399



ORIGINAL DATE  
(YR-MO-DA) 06-16-16  
DRAWN BY CHECKER  
D. MEJIA P. BRAVO  
DRAWING APPROVAL  
P. BRAVO 06-16-16  
CONTRACT No.

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**DART**  
AEROSPACE  
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dba DART AEROSPACE  
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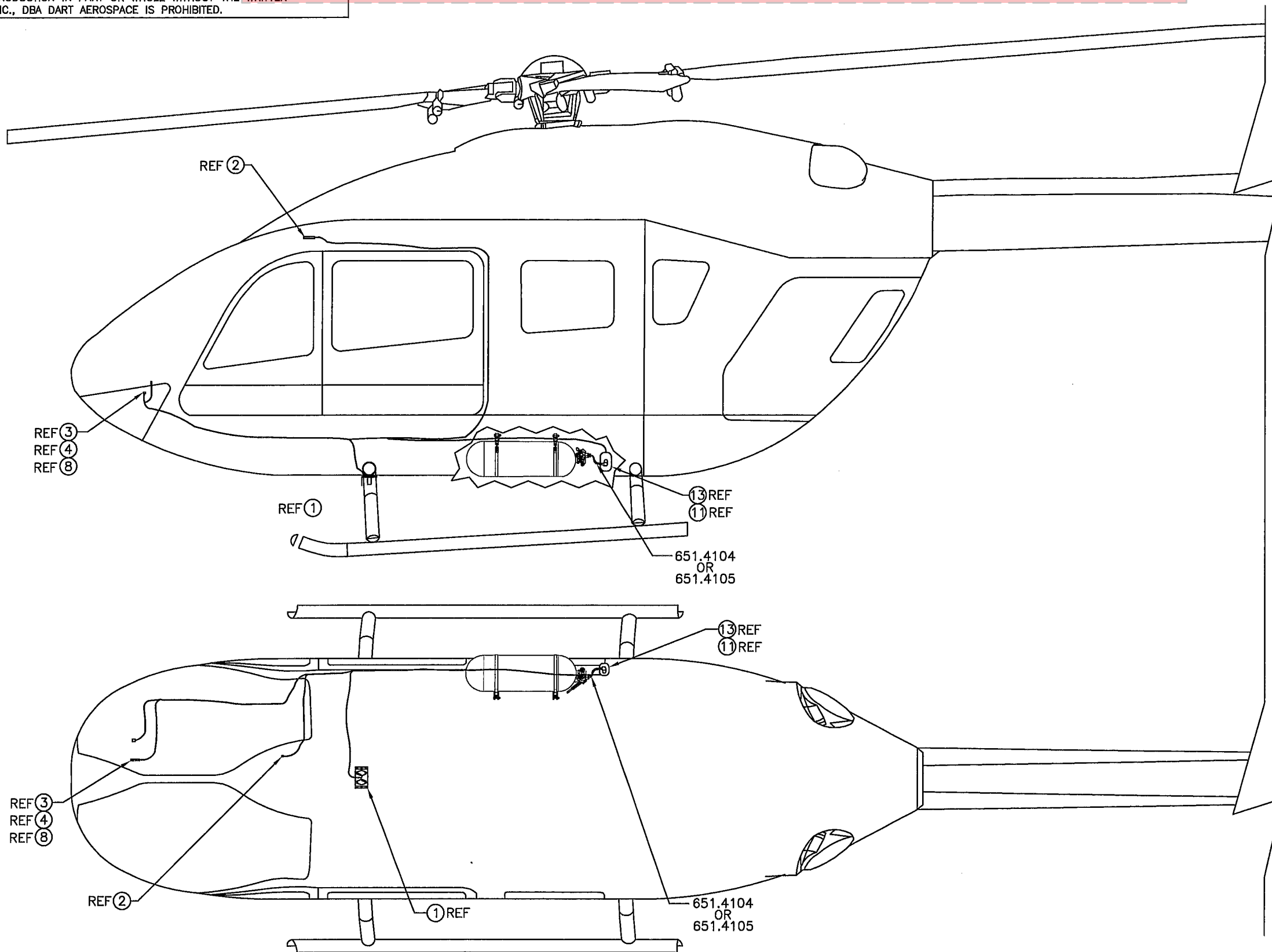
EC145 T2 ELECTRICAL  
ACTIVATION SYSTEM

SIZE	CAGE CODE	DWG. No.	REV
B	07M26	651.4100	J

SCALE: NONE SHEET 5 of 7

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(YR-MO-DA) 06-16-16  
DRAWN BY CHECKER  
D. MEJIA P. BRAVO  
DRAWING APPROVAL  
P. BRAVO 06-16-16  
CONTRACT No.

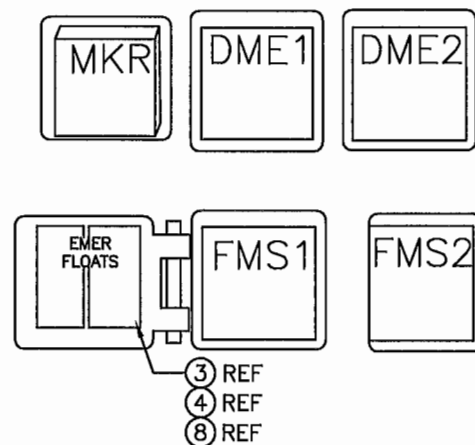
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
2 PLACE DECIMALS  $\pm .03$   
3 PLACE DECIMALS  $\pm .010$   
ANGLES  $\pm .5^\circ$

<b>DART</b> AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-6347 (760)-724-6300	
APICAL INDUSTRIES, INC. dba DART AEROSPACE		EC145 T2 ELECTRICAL ACTIVATION SYSTEM	
SIZE	CAGE CODE	DWG. No.	REV
B	07M26	651.4100	J
SCALE: NONE		SHEET 6 of 7	

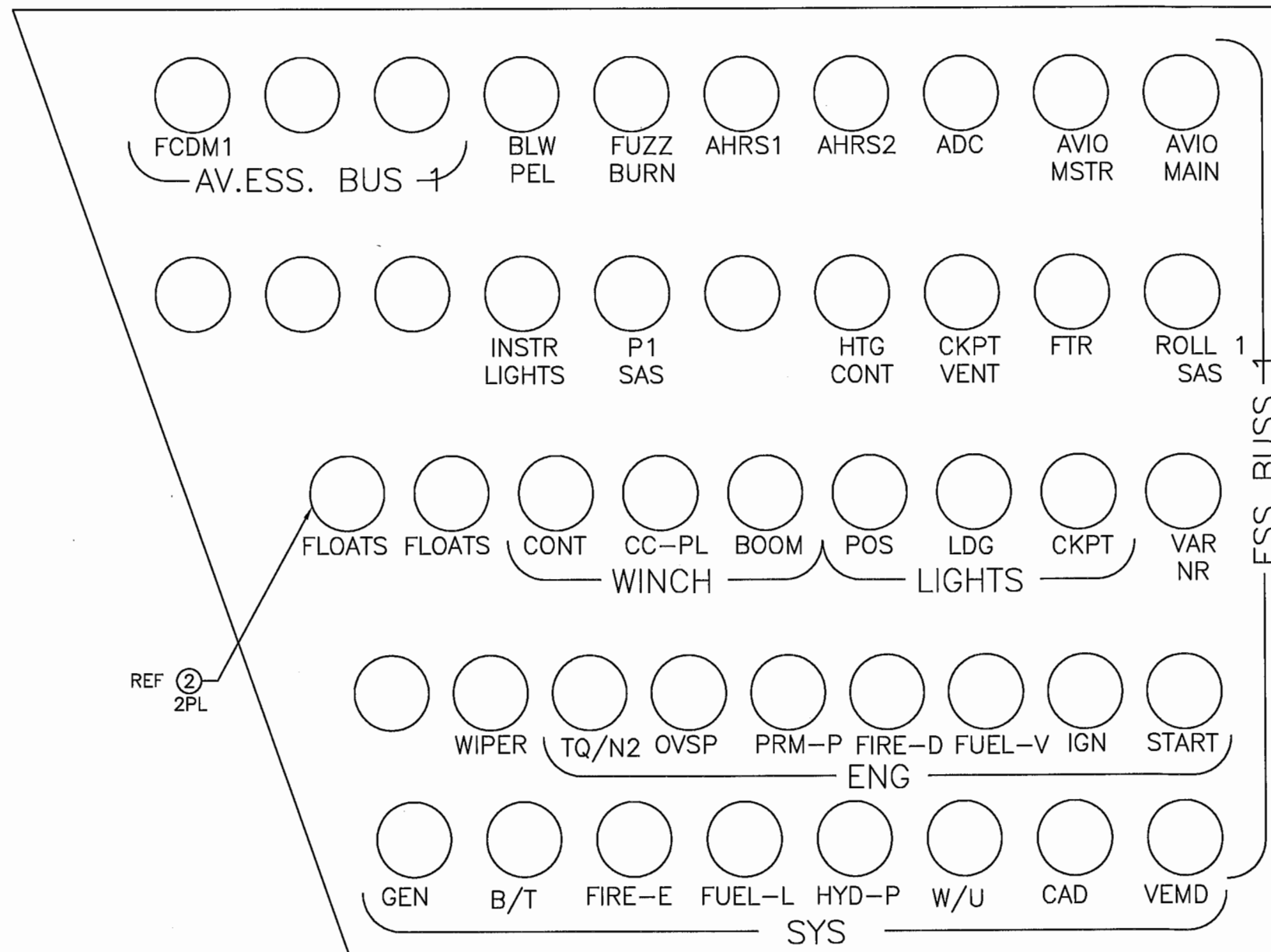
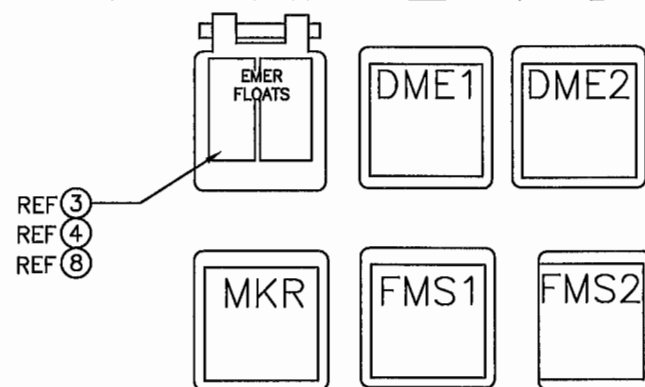
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# INSTRUMENT PANEL



# INSTRUMENT PANEL (ALTERNATE POSITION)



ORIGINAL DATE (YR-MO-DA) 06-16-16		<b>DART AEROSPACE</b>		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300	
DRAWN BY D. MEJIA		CHECKER P. BRAVO		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWING APPROVAL P. BRAVO 06-16-16		CONTRACT No.		EC145 T2 ELECTRICAL ACTIVATION SYSTEM	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. No. 651.4100	REV J
SCALE: NONE		SHEET 7 of 7			

